30. The settlement of the Belgaum-Forests, referred to in the 35th paragraph of the Administration-Report for 1891-92, has been sanctioned (see paragraph 23 above).

31. As regards the 11 square miles 353 acres of Kolába, the Collector writes that the settlement can be effected on receipt of orders on reports submitted by him.

32. In Bijápur, the state of the settlement-work is the same as that reported in paragraph 36 of the last Administration-Report.

33. Now that two Settlement-Officers have been appointed to Kánara, it is hoped that the settlement-work will advance rapidly.

34. The expenditure incurred on account of settlement during the period under report, amounted to Rs. 37,544, as shown below:—

Not charged to Forests.

	Rs.	Rs.
Salaries and allowances of Forest-Settlement-Officers, Kánara	12,325	
Do. do. Belgaum-Dhárwár ...	16,125	
		28,450

Charged to Forests.

Salaries and allowances of the establishments employed under the Forest-Settlement-Officer, Kánara, and contingencies	3,500	
Do. do. Belgaum-Dhárwár ...	3,633	
		7,133
Compensation ...		1,961
Total ...		37,544

35. The settlement of the year, which is represented by the above expenditure, comprises 565·95 square miles of the area for which field-work has been completed. The cost per square mile of settlements, effected during the year, comes to Rs. 66·3.

36. The total cost for settlement-operations up to 31st March, 1892, amounted to Rs. 2,86,574, and that incurred during the year under report was Rs. 37,544. The average cost of settlement up to date comes to Rs. 133·6 per square mile.

37. The settlement of the *Bet*-question is much to be desired. A Committee composed of Messrs. Betham, Sheppard and Lamb sat at Sirsi in January last, and submitted a report on the subject, which was forwarded to the Commissioner in April.

(iii). DEMARCATION.

(iv). SURVEYS.

38. The demarcation-establishment under the Forest-Settlement-Officer, Kánara, completed the clearing and survey of lines dividing the Protected from the Reserved forests, of Sirsi, which were settled during the previous year. The lines surveyed and demarcated, aggregated 107 miles $7\frac{3}{4}$ furlongs.

39. Field-books showing particulars of the survey and of boundary-marks for 22 villages of Sirsi, as well as maps, were prepared for the use of the village- and Forest-Officers.

40. Twenty-one miles of 30-feet lines, dividing Protected from Reserved forests, were also cleared in the Ankola sub-division of Kánara, and one mile in Mundgod under the supervision of the Forest-Officers. The average cost per mile amounted to Rs. 45.

41. The cost of demarcation amounted, in all, to Rs. 5,243.

42. Excepting for the forests of Kolába and Ratnágiri, exterior boundary-marks are erected and maintained by the Revenue-Department, the Forest-Department paying its share of expenses.

43. The Forest-Survey-Party continued the topographical survey of the Sirsi-forests in the Southern Division of Kánara. During the survey-year ending 30th September, 1892, the details for 195 square miles, on a scale of 4 inches =one mile, were completed at a cost of Rs. 16,657. The triangulation of 200 square miles and traversing of 295 square miles cost Rs. 9,951. The cost incurred, in all, was Rs. 26,608. The cost per square mile of completed area amounted to Rs. 85 for work done on the 4-inch-scale.

44. Sixty-eight square miles were also surveyed, in Kolába, on the 8″ scale, at a cost of Rs. 13,974, or of Rs. 205 per square mile.

45. The *average* cost per square mile of the area surveyed during 1892-93 was Rs. 116.

46. The area completed during the year 1891-92 was 300 square miles on the 8″-scale at a cost of Rs. 35,138. The average cost per mile was, therefore, Rs. 112 against Rs. 205 in 1892-93. The falling-off in the area completed during the past year is attributed by Colonel Hutchinson, the Superintendent, to sickness among the surveying-establishment. It, also, seems that his Assistant was engaged in triangulation in Kánara almost until the close of the year and that, in consequence, he was not available to superintend detail-work elsewhere.

47. The following shows the approximate area already surveyed and that remaining to be surveyed in the several Divisions of the Circle :—

Division.	Area surveyed.	Area remaining for survey.
	Sq. Miles.	Sq. Miles.
Northern Division, Kánara	627	562
Central Division, Kánara	395	677
Southern Division, Kánara	233	1,055
Belgaum	.....	691
Dhárwár	103	329
Bijápur	.....	245
Kolába	84	361
Ratnágiri	.....	20
Total ...	1,442	3,940

48. The survey was commenced in 1886. Since then, the average outturn per annum has been 206 square miles.

49. To complete the special survey of the forests of the Circle, at an average annual rate of progress of 300 square miles, would take 13 years, and the cost would be about Rs. 4,00,000. The survey-charges are a heavy drain on the forest-revenue, and at least double what they would be if details, in the survey of forests of minor importance, not required for forest-purposes, were left out.

50. Appendix in Form 49 of the Forest Code shows the areas surveyed and under survey during the year under report.

CHAPTER II.

MANAGEMENT OF STATE FORESTS.

I.—REGULATION OF MANAGEMENT.

(*a*) Working-Plans and their Control.

51. During the rains, both Working-Plans' parties remained in charge of Mr. Hodgson. From the beginning of the working-season, in November, until December 13, Mr. Murray was in charge of Party I in addition to his duties as